

AAT<sup>1</sup> Science and Technology University, Faculty of Engineering  
Department of Electrical and Electronic Engineering

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## Research Interests

Electric Load Forecasting, Energy Analytics & Informatics, Renewable Energy, Distributed Generation, Electrical Energy & Power Systems, and Machine Learning.

## Positions

### AAT Science and Technology University

Department of Electrical and Electronic Engineering

- *Deputy Head of Department* 2024–Present
- *Assistant Professor of Energy and Power Systems* 2021–Present
- *Lecturer* 2019–2021
- *FDP<sup>2</sup> Research Assistant* 2013–2019

### Cukurova University

Department of Electrical and Electronic Engineering

- *Adjunct Assistant Professor* 2023–Present
- *FDP Research Assistant (Secondment)* 2013–2017

### Rolls-Royce Solutions Energy, Marine, and Defence Inc.

- *Service and Commissioning Engineer* 2012–2013

### Sanko Textile Trading Co.

- *Electrical Maintenance Engineer* 2012

### Turkish Armed Forces

- *Officer Cadet* 2010–2012

## Education

### Cukurova University

*PhD in Electrical and Electronic Engineering* 2015–2019

- Title: Research and Application of Real-Time Short-Term Electrical Energy Consumption Forecasting Using Artificial Intelligence-Based Techniques
- Supervisors: Prof. Ahmet Teke and Dr Hatice Basak Ayana

*MSc in Electrical and Electronic Engineering* 2012–2015

- Title: Developing a Software Program to Determine the Optimal Capacity Rating of Cogeneration and Trigenation Plants Driven by Gas Engines for Unlicensed Generation of Electricity
- Supervisors: Prof. Ahmet Teke and Prof. Lutfu Saribulut

*BSc in Electrical and Electronic Engineering* 2004–2010

- Department of Electrical Engineering, Linköping University (Erasmus) 2007–2008

## Publication Metrics

Number of unique visitors for [kasimzor.com.tr](http://kasimzor.com.tr) is greater than 180 per month in the last year.

Source	Citations	h-index	Citation Impact
Google Scholar	376	8	
Scopus	226	7	4.02 (FWCI)
Web of Science	119	6	1.37 (CNCI)

<sup>1</sup>AAT: Adana Alparslan Turkes

<sup>2</sup>FDP: Faculty Development Programme

**Publications in  
SCIE and SSCI**

1. Atalay, B. A. and **Zor, K.** An Innovative Approach for Forecasting the Hydroelectricity Generation by Benchmarking Tree-Based Machine Learning Models. *Renewable and Sustainable Energy Reviews*, 2025. **\*In Preparation**
2. Cebeci, C. and **Zor, K.** Electricity Demand Forecasting Using Deep Polynomial Neural Networks and Gene Expression Programming during COVID-19 Pandemic. *Applied Sciences*, 2024. **\*In Preparation**
3. Ozdemir, A. C. and **Zor, K.** An Improved Gene Expression Programming Algorithm for Forecasting Carbon Dioxide Emissions in G7 Countries. *Sustainable Energy and Society*, 2024. **\*Under Review**
4. Tolun, O. C., **Zor, K.**, and Tutsoy, O. A Comprehensive Benchmark of Machine Learning-Based Algorithms for Medium-Term Electric Vehicle Charging Demand Prediction. *Journal of Supercomputing*, 2024. **\*Under Review**
5. Ozdemir, A. C., Bulus, K., and **Zor, K.** Medium- to Long-Term Nickel Price Forecasting Using LSTM and GRU Networks. *Resources Policy*, 78:102906, 2022.  
DOI: 10.1016/j.resourpol.2022.102906
6. Celik, O., **Zor, K.**, Tan, A., and Teke, A. A Novel Gene Expression Programming-Based MPPT Technique for PV Micro-Inverter Applications under Fast-Changing Atmospheric Conditions. *Solar Energy*, 239:268–282, 2022.  
DOI: 10.1016/j.solener.2022.05.012
7. **Zor, K.**, Celik, O., Timur, O., and Teke, A. Short-Term Building Electrical Energy Consumption Forecasting by Employing Gene Expression Programming and GMDH Networks. *Energies*, 13(5):1102, 2020.  
DOI: 10.3390/en13051102
8. Teke, A., **Zor, K.**, and Timur, O. A simple methodology for capacity sizing of cogeneration and trigeneration plants in hospitals: A case study for a university hospital. *Journal of Renewable and Sustainable Energy*, 7(053102):1–15, 2015.  
DOI: 10.1063/1.4930064

**Book Chapters**

1. Tolun, G. G., Tolun, O. C., and **Zor, K.** Prosumer Electricity Demand Forecasting Using AI-Based Algorithms Incorporating Meteorological Data. *Engineering Applications of AI for Demand Forecasting*, Taylor & Francis, 2025. **\*Under Review**
2. **Zor, K.** and Celik, O. An Application of Different Approaches to Missing Data for Electric Load Forecasting by Using an Advanced Gene Expression Programming Algorithm. *Advances in Engineering Research*, Nova Science Publishers, New York, 44:223–240, 2021. ISBN: 978-1-53619-950-5

**Publications in  
ESCI and Scopus**

1. Tolun, G. G. and **Zor, K.** Forecasting Reactive Power in Electric Distribution Systems by Using Machine Learning-Based Algorithms. *e-Prime - Advances in Electrical Engineering, Electronics and Energy*, 2024. **\*In Preparation**
2. Timur, O., **Zor, K.**, Celik, O., Teke, A., and Ibrkici, T. Application of Statistical and Artificial Intelligence Techniques for Medium-Term Electrical Energy Forecasting: A Case Study for a Regional Hospital. *Journal of Sustainable Development of Energy, Water and Environment Systems*, 8:520–536, 2020.  
DOI: 10.13044/j.sdewes.d7.0306

**International  
Conference  
Publications**

1. Eker, D., **Zor, K.**, and Ozbek, N. S. A Novel Scheme for Forecasting Electricity Generation of Hydroelectric Power Plants. *Digital Proceedings of the 20th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES2025)*, (0226):-, Oct 5–10, 2025. (Dubrovnik, Croatia) \*Abstract Accepted
2. Atalay, B. A. and **Zor, K.** Hydroelectric Power Forecasting via Tree-Based Machine Learning Algorithms. *Digital Proceedings of the 19th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES2024)*, (0835):1-15, Sep 8–12, 2024. (Rome, Italy)
3. Bozkurt, H., **Zor, K.**, Bulus, K., and Celik, O. Machine Learning-Based Classification for Electricity Theft Detection in Distribution Systems. *Digital Proceedings of the 19th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES2024)*, (0858):1-9, Sep 8–12, 2024. (Rome, Italy)
4. Tolun, G. G. and **Zor, K.** Short-Term Reactive Power Forecasting Using Machine Learning-Based Algorithms in Electric Distribution Systems. *Digital Proceedings of the 19th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES2024)*, (0546):1-11, Sep 8–12, 2024. (Rome, Italy)
5. Aydin, B., **Zor, K.**, and Disken, G. Very Short-Term Prosumer Electric Load Forecasting Using Deep Learning-Based Techniques. *Proceedings of the 9th International Youth Conference on Energy (IYCE2024)*, Jul 2–6, 2024. (Colmar, France)  
DOI: 10.1109/IYCE60333.2024.10634913
6. Tolun, G. G. and **Zor, K.** Very Short-Term Reactive Power Forecasting Using Machine Learning-Based Algorithms. *Proceedings of the 9th International Youth Conference on Energy (IYCE2024)*, Jul 2–6, 2024. (Colmar, France)  
DOI: 10.1109/IYCE60333.2024.10634921
7. Aydin, B. and **Zor, K.** A Benchmark of Deep Learning- and Tree-Based Methods for Prosumer Electric Load Forecasting. *Book of Abstracts of the 44th International Symposium on Forecasting (ISF2024)*, (2024):44, Jun 30–Jul 3, 2024. (Dijon, France)
8. **Zor, K.** Prosumer Electric Load Forecasting Using Machine Learning-Based Algorithms. *Book of Abstracts of the 44th International Symposium on Forecasting (ISF2024)*, (2024):5-6, Jun 30–Jul 3, 2024. (Dijon, France)
9. Yorat, E., **Zor, K.**, Ozbek, N. S. and Saribulut, L. Day-Ahead Electricity Price Forecasting Using Artificial Intelligence-Based Algorithms. *2023 International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies (3ICT2023)*, Nov 20–21, 2023. (Sakheer, Bahrain)  
DOI: 10.1109/3ICT60104.2023.10391547
10. Tolun, G. G., **Zor, K.**, and Kaplan, Y. A. Daily Global Solar Irradiation Prediction of a University Campus via a Hybrid AI-Based Method. *Digital Proceedings of the 18th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES2023)*, (0104):1-14, Sep 24–29, 2023. (Dubrovnik, Croatia)
11. Tolun, O. C., **Zor, K.**, and Tutsoy, O. Electric Vehicle Charging Demand Prediction Using a Novel Machine Learning-Based Technique. *Digital Proceedings of the 18th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES2023)*, (0175):1-14, Sep 24–29, 2023. (Dubrovnik, Croatia)
12. **Zor, K.** and Bulus, K. A Benchmark of GRU and LSTM Networks for Short-Term Electric Load Forecasting. *2021 International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies (3ICT2021)*, Sep 29–30, 2021. (Zallaq, Bahrain)  
DOI: 10.1109/3ICT53449.2021.9581373
13. **Zor, K.** and Celik, O. Short-Term Nonindustrial Reactive Power Forecasting. *17th International Conference of Young Scientists on Energy and Natural Sciences Issues (CYSENI2021)*, (ISSN: 1822-7554):478–487, Mar 24–28, 2021. (Kaunas, Lithuania)

14. Celik, O. and **Zor, K.** Effects of MPPT Parameters on the Performance of Photovoltaic Inverters. *17th International Conference of Young Scientists on Energy and Natural Sciences Issues (CYSENI2021)*, (ISSN: 1822-7554):72–81, Mar 24–28, 2021. (Kaunas, Lithuania)
15. Cetin Tas, I. and **Zor, K.** A Prediction of Building Electrical Energy Demand by Using ANN and SVM. *17th International Conference of Young Scientists on Energy and Natural Sciences Issues (CYSENI2021)*, (ISSN: 1822-7554):381–389, Mar 24–28, 2021. (Kaunas, Lithuania)
16. **Zor, K.**, Timur, O., Celik, O., Yildirim, H. B., and Teke, A. Very Short-Term Electrical Energy Consumption Forecasting of a Household for the Integration of Smart Grids. *Official Conference Proceedings of the European Conference on Sustainability, Energy & the Environment 2018 (ECSEE2018)*, (ISSN: 2188-1146):1–14, Jul 6–7, 2018. (Brighton, UK)
17. Celik, O., Tan, A., **Zor, K.**, and Teke, A. Optimal Design and Analysis of Single-Stage Flyback PV Micro-Inverter. *Official Conference Proceedings of the European Conference on Sustainability, Energy & the Environment 2018 (ECSEE2018)*, (ISSN: 2188-1146):103–115, Jul 6–7, 2018. (Brighton, UK)
18. Timur, O., **Zor, K.**, Celik, O., and Teke, A. Very Short-Term Internet of Things Based Forecasting of Air Conditioning Loads: A Case Study for a Server Room in a Hospital. *Proceedings of the 2nd International Conference on Theoretical and Applied Computer Science and Engineering (ICTACSE2018)*, (ISBN:978-605-9546-12-6):22–25, Jun 29–30, 2018. (Istanbul, Türkiye)
19. Timur, O., **Zor, K.**, Celik, O., and Teke, A. Development of an Intelligent Energy Measurement Device for Buildings. *Proceedings of the 2nd International Conference on Theoretical and Applied Computer Science and Engineering (ICTACSE2018)*, (ISBN:978-605-9546-12-6):16–21, Jun 29–30, 2018. (Istanbul, Türkiye) **\*Best Paper Award**
20. **Zor, K.**, Celik, O., Timur, O., Yildirim, H. B., and Teke, A. Simple Approaches to Missing Data for Energy Forecasting Applications. *Proceedings of the 16th International Conference on Clean Energy (ICCE2018)*, (FORC-03):1–4, May 9–11, 2018. (Gazimağusa, Turkish Republic of Northern Cyprus)
21. **Zor, K.**, Timur, O., Celik, O., Yildirim, H. B., and Teke, A. Interpretation of Error Calculation Methods in the Context of Energy Forecasting. *Digital Proceedings of the 12th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES2017)*, (0722):1–9, Oct 4–8, 2017. (Dubrovnik, Croatia)
22. Timur, O., **Zor, K.**, Celik, O., Yildirim, H. B., and Teke, A. Design and Implementation of Smart Energy Measurement Plug in Smart Buildings. *Digital Proceedings of the 12th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES2017)*, (0732):1–12, Oct 4–8, 2017. (Dubrovnik, Croatia)
23. Celik, O., Tan, A., **Zor, K.**, Timur, O., Yildirim, H. B., and Teke, A. Comparative Investigation of Single-Stage and Multi-Stage Grid-Tie Micro-Inverters. *Digital Proceedings of the 12th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES2017)*, (0735):1–6, Oct 4–8, 2017. (Dubrovnik, Croatia)
24. **Zor, K.**, Timur, O., and Teke, A. A State-of-the-Art Review of Artificial Intelligence Techniques for Short-Term Electric Load Forecasting. *Proceedings of the 6th International Youth Conference on Energy (IYCE2017)*, 1–6, Jun 21–24, 2017. (Budapest, Hungary)  
DOI: 10.1109/IYCE.2017.8003734
25. **Zor, K.**, Celik, O., and Teke, A. Techno-Economic Analysis of a Grid-Connected Hybrid Biogas/Photovoltaic Power Generation System in the Mediterranean Region. *Official Conference Proceedings of the European Conference on Sustainability, Energy & the Environment 2016 (ECSEE2016)*, (ISSN: 2188-1146):1–10, Jul 7–10, 2016. (Brighton, UK)
26. **Zor, K.**, Teke, A., and Timur, O. Developing a Software Program to Determine the Optimal Capacity Rating of Gas Engine Based Cogeneration and Trigeration Plants for Unlicensed Generation of Electricity. *Digital Proceedings of the 10th Conference on Sustainable*

*Development of Energy, Water and Environment Systems (SDEWES2015)*, (0695):1–12, Sep 27–Oct 2, 2015. (Dubrovnik, Croatia)

27. **Zor, K.** and Teke, A. Onsite Energy Production with Cogeneration Plants Driven by Reciprocating Gas Engines. *Digital Proceedings of the 1st South East European Conference on Sustainable Development of Energy, Water and Environment Systems (SEE SDEWES Ohrid 2014)*, (0237):1–9, Jun 29–Jul 3, 2014. (Ohrid, North Macedonia)

#### Other Journal Publications

1. Timur, O., **Zor, K.**, Celik, O., and Teke, A. Enhancement of a Low-Cost Intelligent Device for Improving Energy Efficiency in Buildings. *Communications Faculty of Sciences University of Ankara Series A2–A3: Physical Sciences and Engineering*, 60(2):103–128, Nov 2018.
2. Teke, A., Timur, O., and **Zor, K.**. Calculating Payback Periods for Energy Efficiency Improvement Applications at a University Hospital. *Cukurova University Journal of the Faculty of Engineering and Architecture*, 30(1):41–56, Jun 2015.

#### Other Conference Publications

1. Tolun, G. G., Tolun, O. C., and **Zor, K.** Üreten Tüketici Elektrik Yük Tahminin Makine Öğrenmesi Tabanlı Algoritmalar ile Uygulanması. *National Conference on Electrical, Electronic, and Biomedical Engineering (ELECO2024)*, Nov 28–30, 2024. (Bursa, Türkiye)
2. Buluş, K. and **Zor, K.** A Hybrid Deep Learning Algorithm for Short-Term Electric Load Forecasting. *The 29th IEEE Conference on Signal Processing and Communications Applications (SIU2021)*, 9–11 Jun 2021. (Istanbul, Türkiye)  
DOI: 10.1109/SIU53274.2021.9477869
3. **Zor, K.**, Teke, A., Celik, O., and Latran, M. B. Türkiye’de Gaz Motorlu Kojenerasyon ve Trijenerasyon Santralleri ile Elektrik Enerjisi Üretimi. *IV. Elektrik Tesisat Ulusal Kongre ve Sergisi*, (612):189–195, Oct 21–24, 2015. (Izmir, Türkiye)
4. Latran, M. B., Teke, A., and **Zor, K.** Akıllı Eviriciler ile Yenilenebilir Enerji Tabanlı Dağıtık Üretim Sistemlerinin Akıllı Şebekelere Entegrasyonu. *IV. Elektrik Tesisat Ulusal Kongre ve Sergisi*, (612):246–255, Oct 21–24, 2015. (Izmir, Türkiye)
5. **Zor, K.**, Teke, A., and Tümay, M. Biyokütle ve Katı Atıkların Yakıt Olarak Kullanıldığı Gaz Motorlu Kojenerasyon Santralleri ile Yenilenebilir Enerji Üretimi. *VIII. Yenilenebilir Enerji Kaynakları Sempozyumu (YEKSEM 2015)*, (610):91–95, Oct 15–16, 2015. (Adana, Türkiye)
6. **Zor, K.** and Teke, A. Current Status and Operation Modes of Cogeneration and Trigeneration Plants Driven by Gas Engines. *Proceedings of the 21st International Energy and Environment Fair and Conference (ICCI 2015)*, 91–94, May 6–8, 2015. (Istanbul, Türkiye)

#### Reviews for

- Energy and Buildings
- Energy Strategy Reviews
- IET Generation, Transmission & Distribution
- IET Renewable Power Generation
- International Journal of Digital Earth
- International Transactions on Electrical Energy Systems
- Journal of Forecasting
- Measurement
- Network: Computation in Neural Systems
- Sustainable Energy Technologies and Assessments
- Swarm and Evolutionary Computation
- Turkish Journal of Electrical Engineering & Computer Sciences



**Projects****International Projects**

- PyPSA<sup>3</sup> Project, PyPSA meets Africa and PyPSA Earth, **Western Asia Coordinator**, 2021–2022.

**TUBITAK Projects**

- Developing a Software to Determine the Optimum Capacity Rating for Unlicensed Electricity Generation in Cogeneration and Trigenation Power Plants Driven by Gas Engines. TUBITAK 3001 Project, Grant Number: 113E769, **Scholar**, 14 Month, Project Budget: ₺36,854.38, 2014–2015.

**Scientific Research Projects**

- Research and Development of Very Short-Term Electric Load Forecasting Models Using Machine Learning-Based Algorithms for Prosumers. Individual Research Project, Adana Alparslan Turkes Science and Technology University, **Supervisor**, 12 Month, Grant Number: 24103005, Project Budget: ₺65,000.00, 2024–2025.
- Detection of Non-Technical Losses in Electric Distribution System by Using Data Analytics and Machine Learning Methods. Individual Research Project, Adana Alparslan Turkes Science and Technology University, **Supervisor**, 24 Month, Grant Number: 21103013, Project Budget: ₺20,000.00, 2021–2023.
- Implementation of Short-Term Reactive Power Forecasting Using Artificial Intelligence-Based Techniques for a Nonindustrial Large Building Complex. Individual Research Project, Adana Alparslan Turkes Science and Technology University, **Supervisor**, 13 Month, Grant Number: 19103012, Project Budget: ₺25,000.00, 2019–2021.
- Electric Demand Prediction: Data Acquisition, Implementation of ANN and User Interface Design. Individual Research Project, Cukurova University, **Researcher**, 24 Month, Grant Number: FBA-2017-8252, Project Budget: ₺25,990.07, 2017–2019.
- Very Short-Term Forecasting of a Household Electrical Energy Consumption. Individual Research Project, Cukurova University, **Researcher**, 12 Month, Grant Number: FBA-2017-9344, Project Budget: ₺11,999.99, 2017–2018.
- Developing a Software to Determine the Optimum Capacity Rating of Cogeneration and Trigenation Plants Driven by Gas Engines. Scientific Research Project, Cukurova University, **Researcher**, 12 Month, Grant Number: FYL-2014-2351, Project Budget: ₺5,948.01, 2014–2015.

**Grants**

<b>TUBITAK<sup>4</sup> 2224-A Grant (\$1,500)</b>	2024
The 44th International Symposium on Forecasting (Dijon, France)	
<b>Erasmus+ Staff Mobility Grant (€1,125)</b>	2023
Subject: Microgrids, Host: Prof. Juan C. Vasquez from the Centre for Research on Microgrids (CROM), Department of Energy, Aalborg University, Aalborg, Denmark	
<b>Erasmus+ Staff Mobility Grant (€1,538)</b>	2018
Subject: Electric Load Forecasting, Host: Prof. Jethro Browell from Department of Electronic and Electrical Engineering, University of Strathclyde, Glasgow, UK	
<b>TUBITAK Scholarship (₺5,630)</b>	2014–2015
Project Number: EEEAG-113E769	
<b>Erasmus Student Exchange Grant (€3,000)</b>	2007–2008
Department of Electrical Engineering, Linköping Institute of Technology, Linköping University, Linköping, Sweden	

**Managed Theses****Supervisions**

1. Atalay, B. A. *Hydroelectric Power Forecasting via Tree-Based Machine Learning Algorithms*. MSc Thesis, Department of Electrical and Electronic Engineering, Institute of Graduate School, Adana Alparslan Turkes Science and Technology University, 2024. (Adana, Türkiye)

**Co-Supervisions**

1. Tolun, O. C. *Electricity Theft Detection in Distribution Systems Using Machine Learning-Based Algorithms*. PhD Thesis, Department of Electrical and Electronic Engineering, Institute of

<sup>3</sup>PyPSA: Python for Power System Analysis

<sup>4</sup>TUBITAK: The Scientific and Technological Research Council of Turkey

Graduate School, Adana Alparslan Turkes Science and Technology University, 2027. (Adana, Türkiye)

- Abdalla, E. *Deep Learning-Based Daily Solar Irradiation Prediction for Adana Region*. MSc Thesis, Department of Electrical and Electronic Engineering, Institute of Natural and Applied Sciences, Cukurova University, 2023. (Adana, Türkiye)

## Courses Taught

### AAT Science and Technology University

#### Bachelor

- EEE<sup>5</sup>105 Introduction to Computer Programming I 2020–2021
- EEE110 Computer Programming 2020–Present
- EEE208 Circuit Theory II 2023–2024
- EEE222 Electrical Circuits Lab II 2023–2024
- EEE225 Engineering Mathematics I (Differential Equations) 2021–2023
- EEE356 Data Analytics 2021–Present
- EEE407 Renewable Energy 2020–Present
- EEE423 Embedded Systems 2023–Present
- EEE453 Electrical Transmission and Distribution 2020–2022
- EEE483 Introduction to Energy Analytics 2022–Present
- EEE497 Graduation Project 2021–Present
- EEE498 Graduation Project 2020–Present
- ESE<sup>6</sup>208 Circuit Theory II 2023–2024
- ESE222 Electrical Circuits Lab II 2023–2024
- ESE305 Energy Transmission and Distribution 2022–2023
- ESE313 Energy Efficiency 2022–2023

#### Masters

- EEE-U7000 Special Area Course 2021–Present
- EEE7195 Python for Data Science 2021–Present
- EEE7196 Sustainable Energy 2021–Present
- EEE7199 Energy Analytics 2022–Present
- EEE7200 CCHP Systems 2023–Present

#### Doctoral

- EEE-U8000 Special Area Course 2024–Present
- EEE8025 Statistical Machine Learning 2025–Present
- EEE8182 Electric Load Forecasting 2023–Present
- EEE8183 Energy Informatics 2022–Present
- EEE8188 Renewables in Electricity Markets 2024–Present
- EEE8189 Digitalisation of Energy Systems 2023–Present

### Cukurova University

#### Bachelor

- EEE113 Introduction to Electrical Engineering 2023–Present

## Trainings

- Demand Forecasting with R, Dr Ivan Svetunkov & Dr Kandrika Pritularga, Centre for Marketing Analytics and Forecasting (CMAF), Lancaster University Management School 2024
- Bayesian Forecasting, Prof. Francesco Ravazzolo & Dr Magdalena Ivanovska, 7th Annual Forecasting Summer School, International Institute of Forecasters, Dijon, France 2024
- Design and Planning of Biogas Systems, BESTMER<sup>7</sup>, Solar Energy Institute of Ege University 2015
- Solar Expert Photovoltaics, DGS<sup>8</sup> 2014
- Managing Responsibility in High Voltage Facilities, Adana Chamber of Electrical Engineers 2012

<sup>5</sup>EEE: Department of Electrical and Electronic Engineering

<sup>6</sup>ESE: Department of Energy Systems Engineering

<sup>7</sup>BESTMER: Biomass Energy Systems and Technologies Application and Research Centre

<sup>8</sup>DGS: Deutsche Gesellschaft für Sonnenenergie

<b>Memberships</b>	The International Institute of Forecasters (IIF), Member	2023–Present
	<ul style="list-style-type: none"><li>• Early Career Forecasters (ECF)</li><li>• Section on Water, Energy and Environment (SWEET)</li></ul>	
	UCTEA <sup>9</sup> Chamber of Electrical Engineers, Member, Adana	2010–2021
	IEEE, Student Member	2007–2019

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<sup>9</sup>UCTEA: Union of Chambers of Turkish Engineers and Architects